

- Proven NV Series Architecture
- Intelligent VS Series Features
- Outstanding Efficiency
- Exceptional Value



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Making Digital Radio Work.

Nautel has emerged as one of the world's largest manufacturers of radio broadcast transmitters with more than 11,000 deployments in 177 countries.

"the **most** intelligent transmitters **ever** designed"



NV ^{LT} SERIES		NV ^{LT} 3.5	NV ^{LT} 5	NV ^{LT} 7.5	NV ^{LT} 10
Analog	Max power (kW)	4.1	5.5	8.3	11
	Rated Power (kW)	3.7	5	7.5	10
	Typical Efficiency	71%	72%	71%	72%
AC Input 50/60 Hz		1 phase 180 - 264V or 3 phase 180 - 264V / 312 - 457V			
Power Modules		2		4	
Switching Power Supplies		4		8	
Power Factor		0.98 (unity power factor corrected)			
Height (in/cm)		72.5 (184.2)			
Width (in/cm)		23 (58.4)			
Depth (in/cm)		32 (81.3)			
Weight (lbs/kg)		333 (151)		421 (191)	

expect
MORE



NV^{LT} Series

3.5 – 10 kW Analog FM

more
IP AUDIO

more
BACKUP

more
CONTROL

INDUSTRY FIRST AXIA LIVEWIRE™ IP AUDIO SUPPORT

Nautel is the first and only manufacturer to offer transmitters implementing Axia's Livewire Studio to Transmitter Audio over IP Workflow. The result is a seamless digital IP audio path from a host of Livewire compatible devices directly into a Nautel transmitter ensuring outstanding audio purity via a CAT-5 cable.

AUTOMATIC "FAIL-SAFE" SWITCHOVER OF AUDIO SOURCES

NV^{LT} Series transmitters accept a broad variety of IP, digital and analog inputs and give you the opportunity to define automatic fail-over modes should an input be disrupted. As a final level of backup, a playlist can be configured to play from a connected USB device.

AWARD WINNING CONTROL AND INSTRUMENTATION

NV^{LT} transmitters feature Nautel's renowned Advanced User Interface (AUI) offering the industry's most sophisticated local and remote control, instrumentation and monitoring. Access the AUI locally with a direct CAT-5 cable connection or remotely via the internet. Years of system development effort give you direct access to almost any parameter imaginable, whether at the transmitter site or from the comfort of your living room. Tools that help you save time, trips and money.

NV^{LT} Series

3.5 – 10 kW Analog FM

MORE Inside



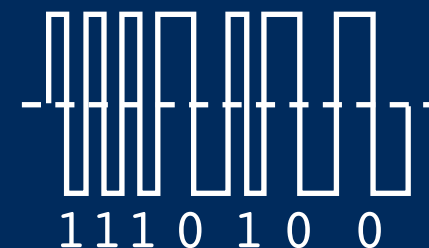
Power Modules

Digital Exciter(s)

Switching Power Supplies



“The **most** intelligent transmitters ever designed”



\$
SAVE
1,000's



- LD-MOS
- Mod monitor
- N+1
- Streaming Input
- Playlists
- Spectrum Analyzer
- Dual Exciters
- Scheduler
- SHOUTcast
- Powerful Presets
- PUSHRADIO™
- RDS Generator
- Nautel PhoneHome
- UPS Interface
- SCA Coder

more
EXCITER

more
RELIABILITY

Orban
INSIDE

more
EFFICIENCY

more
VALUE

even
MORE

INTEGRATED DIRECT-TO-DIGITAL EXCITER

To maximize the value available in the NV^{LT} Series, Nautel engineers integrated the exciter. To achieve class leading performance they implemented a true direct-to-channel digital exciter. That means crystal clear audio and outstanding value considering that digital exciters of this quality usually sell for over US \$10,000.

EXTENSIVE REDUNDANCY FOR OUTSTANDING RELIABILITY

Based on the proven architecture of Nautel's extremely successful NV Series transmitters, the NV^{LT} incorporates parallel LD-MOS power amplifiers, power modules, fans, power supplies to eliminate single points of failure and ensure maximum on-air performance.

OPTIONAL CARD FOR ORBAN™ AUDIO PROCESSING

Orban's premier audio processing can be integrated directly into an NV^{LT} transmitter via an optional \$1,200 plug-in DSP card. Nautel's Orban Inside offers features of the Optimod 5500 Series digital processor with 5 band processor and dual band window-gated AGC.

Utilizing the Nautel AUI, users have full control over processing functions.

VALUE FROM DAY ONE AND EVERY DAY AFTER.

The NV^{LT} Series transmitters achieve up to 72% overall efficiency. That is the best in the industry and it's calculated with the full featured exciter included. That means 1,000's of dollars in savings over the life of your transmitter.

ALL FOR LESS THAN YOU'D EXPECT.

The NV^{LT} Series packs more value than any comparable transmitter in its class. We've optimized each design to build in the features you want without extra cost for external combiners, exciters, control systems, instrumentation even the system rack.

MORE FEATURES AND WE KEEP ADDING MORE.

NV^{LT} Series transmitters are unlike any other. There are more useful time saving capabilities than there is room in this brochure to describe. Please contact your representative for more information about the features highlighted above.